

EAST Search History

Updated Search
hmf

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L177	58	(US-20050232794-\$ or US-20020059866-\$ or US-20020011337-\$ or US-20060245957-\$ or US-20040200615-\$ or US-20070187103-\$ or US-20050019184-\$).did. or (US-6601651-\$ or US-6106224-\$ or US-5659214-\$ or US-5722812-\$ or US-5795138-\$ or US-4901413-\$ or US-5290145-\$ or US-4380267-\$ or US-6209641-\$ or US-6283204-\$ or US-6129524-\$ or US-6035934-\$ or US-5857348-\$ or US-6026901-\$ or US-6494258-\$ or US-5343945-\$ or US-6039116-\$ or US-5398762-\$ or US-6254361-\$ or US-6296441-\$ or US-6237692-\$ or US-6021849-\$ or US-5873420-\$ or US-6691781-\$ or US-6260619-\$ or US-5454646-\$).did. or (US-5794697-\$ or US-5547350-\$ or US-5755288-\$ or US-4969803-\$ or US-6189614-\$ or US-6099271-\$ or US-5554897-\$ or US-6364013-\$ or US-6464469-\$ or US-5660520-\$ or US-6497563-\$ or US-6434943-\$ or US-5628616-\$ or US-6361272-\$ or US-5417544-\$ or US-6361217-\$ or US-4665997-\$ or US-6439866-\$ or US-4080094-\$ or US-6109790-\$ or US-6082452-\$ or US-4260030-\$ or US-6579077-\$).did. or (US-2190104-\$).did. or (GB-2362901-\$).did.	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2007/09/30 21:18
L176	14	downhole compress cross	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:18
L175	3	downhole cool motor compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:18

EAST Search History

L141	635	(US-20050000691-\$ or US-20040262013-\$ or US-20040251055-\$ or US-20040251050-\$ or US-20040251025-\$ or US-20040245020-\$ or US-20040244992-\$ or US-20040226751-\$ or US-20040221997-\$ or US-20040216925-\$ or US-20040216924-\$ or US-20040216892-\$ or US-20040173358-\$ or US-20040140128-\$ or US-20040129456-\$ or US-20040124015-\$ or US-20040124011-\$ or US-20040124010-\$ or US-20040123984-\$ or US-20040118614-\$ or US-20040118613-\$ or US-20040112646-\$ or US-20040112603-\$ or US-20040108142-\$ or US-20040079533-\$ or US-20040069501-\$).did. or (US-20040069500-\$ or US-20040060697-\$ or US-20040016575-\$ or US-20040011534-\$ or US-20040003944-\$ or US-20040003490-\$ or US-20040000405-\$ or US-20030221519-\$ or US-20030217865-\$ or US-20030213598-\$ or US-20030173090-\$ or US-20030164251-\$ or US-20030164250-\$ or US-20030146023-\$ or US-20030141111-\$ or US-20030111267-\$ or US-20030070841-\$ or US-20030056991-\$ or US-20030056947-\$ or US-20030034177-\$ or US-20030029641-\$ or US-20020189863-\$ or US-20020189806-\$ or US-20020162690-\$ or US-20020157829-\$ or US-20020134555-\$ or US-20020108748-\$).did. or (US-20020079102-\$ or US-20020074132-\$ or US-20020074127-\$ or US-20020070842-\$ or US-20020066556-\$ or US-20020040787-\$ or US-20010047883-\$ or US-20010042625-\$ or US-20010040054-\$ or US-20010013412-\$ or US-20010002626-\$ or US-20010000101-\$).did. or (US-6857487-\$ or US-6857486-\$ or US-6854533-\$ or US-6848517-\$ or US-6840322-\$ or US-6752211-\$ or US-6745834-\$ or US-6742606-\$ or US-6742596-\$ or US-6725938-\$ or US-6725924-\$ or US-6708769-\$ or US-6702040-\$ or US-6698595-\$ or US-6691801-\$ or US-6688394-\$ or US-6668937-\$ or US-6668684-\$ or US-6666274-\$ or US-6655460-\$ or US-6651737-\$ or US-6648075-\$ or US-6634430-\$ or US-6622796-\$ or US-6591471-\$ or US-6585040-\$).did. or (US-6554064-\$ or US-6547017-\$ or US-6543552-\$ or US-6538576-\$ or US-6536993-\$ or US-6536522-\$ or US-6536520-\$ or US-6527064-\$ or US-6527047-\$ or US-6497280-\$ or US-6484818-\$ or US-6464011-\$ or US-6464004-\$ or US-6458471-\$ or US-6457532-\$ or US-6446723-\$ or US-6443247-\$ or US-6443241-\$ or US-6433241-\$ or US-6431626-\$ or US-6429784-\$ or US-6427776-\$ or US-6419033-\$ or US-6419014-\$ or US-6412574-\$ or US-6412554-\$ or US-6408943-\$).did. or (US-6405798-\$ or US-6397946-\$ or US-6392317-\$ or US-6378633-\$ or US-6378630-\$ or US-6378627-\$ or US-6374924-\$ or US-6374506-\$ or US-6371200-\$ or US-6369568-\$ or US-6360633-\$ or US-6359569-\$ or	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:17
------	-----	---	------------------------------	------	-----	------------------

EAST Search History

L174	9	("5431228" "5482117" "5794697" "6026901" "6035934" "6189614" "6283204" "6463730" "6564865").PN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L173	14	downhole and ((auxiliary or 2nd) compressor)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L172	35	("4378047" "4531593" "4610793" "4981175" "4995456" "5343945" "5431228" "5482117" "5605193").PN. OR ("5794697").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L171	18	("20010017207" "20020153326" "4241787" "4296810" "4766957" "5343945" "5588486" "5794697" "5860476" "6035934" "6056054" "6082452" "6189614" "6283204" "6457522").PN. OR ("6691781").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L170	48	("2953204" "3137344" "3705626" "3707157" "3951457" "3978926" "4120795" "4148735" "4241787" "4296810" "4354553" "4475603" "4488607" "4573540" "4596516" "4688650" "4711720" "4721565" "4738779" "4749034" "4766957" "4787452" "4793408" "4805697" "4824562" "4836935" "4900433" "4913630" "5154588" "5159977" "5173022" "5296153" "5320500" "5335732" "5377756" "5396153" "5425416" "5456837" "5497832" "5503226" "5570744" "5579838" "5603825" "5730871" "5830368" "5857519").PN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L169	2	alexander angus grant	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L168	0	GB2362901	EPO; JPO; DERWENT ; IBM_TDB	SAME	OFF	2007/09/30 21:14
L167	19	("4019591").URPN.	USPAT	SAME	OFF	2007/09/30 21:14
L166	26	("1071042" "2887062" "3981628" "4105372" "4474228" "4523896" "4553585" "4616980" "4652218" "4834624").PN. OR ("4969803").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L165	30	("3722609" "3730284" "3741321" "3863737" "4019591" "4080094" "4114704" "4126406" "4260032" "4410054" "4427308" "4511193" "4548283" "4560014" "4576488" "4577704" "4593774" "5069298" "5143455" "5195754" "5217080" "5248204" "5377771" "5385407" "5713670" "Re30257").PN. OR ("6109790").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L164	2	grant and (downhole compressor)	EPO; JPO; DERWENT ; IBM_TDB	SAME	OFF	2007/09/30 21:14
L163	2	US-9524563-\$.DID. OR US-4969803-\$.DID. OR US-5398762-\$.DID. OR US-9117361-\$.DID.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14

EAST Search History

L162	12	("2190104" "3503443" "3556218" "3643736" "4762180" "4913590" "5044440" "5154741").PN. OR ("5398762").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L161	4	("2190104").URPN.	USPAT	SAME	OFF	2007/09/30 21:14
L160	58	L159 and compressor	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L159	632	417/423.12.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L158	18	(L155 or L146 or L156 or L157) and downhole	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L157	516	417/423.7.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L156	234	417/423.8.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L155	400	417/424.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L154	5	("4080094").URPN.	USPAT	SAME	OFF	2007/09/30 21:14
L153	7	("3058510").URPN.	USPAT	SAME	OFF	2007/09/30 21:14
L152	24	L114 and L113	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L151	69	L147 and ((multi or two) near5 stage)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L150	153	L147 and centrifugal	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L149	4	("4241787" "4766957" "5443120" "5673752").PN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L148	12	("3887008" "4969803" "4969807" "5044440" "5341058" "5454646" "5456837" "5605193" "5755288" "5795138" "6015011" "6261070").PN. OR ("6601651").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L147	537	L114 and L112	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L146	689	417/366.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L145	10	L83 and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14

EAST Search History

L144	152	L109 and downhole	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L143	17	L83 and centrifugal	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L142	24	L83 and (gas bearing)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L115	15	L114 and L113 and L112	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L114	2784	well bore compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L113	1676	(multi near5 stage) centrifugal	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L112	69038	gas bearing	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L111	1	L110 and downhole	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L110	1344	vertical centrifugal compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L109	7057	vertical centrifugal pump	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L108	5	("3705775" "4125345" "4389842" "4834624" "5819524").PN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L107	2	("4380267").URPN.	USPAT	SAME	OFF	2007/09/30 21:14
L106	8	L105 and downhole	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L105	632	417/423.12.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L104	12	("3887008" "4969803" "4969807" "5044440" "5341058" "5454646" "5456837" "5605193" "5755288" "5795138" "6015011" "6261070").PN. OR ("6601651"). URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L103	1	US-4284392-\$.DID.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L102	1	US-5398762-\$.DID.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14

EAST Search History

L101	128	downhole and compressor and ((two or multi) near5 stage)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L100	16	((RICHARD) near2 (GOZDAWA)).INV.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L99	56	L98 and (gas bearing)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L98	693	L97 and "downhole"	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L97	100711	"417".clas.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L96	57	L56 and (underground or submerge or submersible)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L95	1600	L55 and L54	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L94	9645	hole compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L93	111	L54 and L91	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L92	69038	gas bearing	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L91	342	downhole compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:14
L90	516	417/423.7.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L89	234	417/423.8.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L88	689	417/366.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L87	400	417/424.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L86	16	((RICHARD) near2 (GOZDAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/30 21:14
L85	14	downhole and ((auxiliary or 2nd) compressor)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/09/30 21:13

EAST Search History

Interference Search

[Signature]

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L37	689	417/366.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/09/30 20:38
L38	234	417/423.8.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/09/30 20:50
L39	632	417/423.12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/09/30 20:51
L41	400	417/424.1.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/09/30 20:56
L42	593	417/423.3.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/09/30 20:58
L46	1	(compressor auxiliary downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:00
L45	1	(gas compressor auxiliary downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:00
L44	37	(gas compressor auxiliary second downstream).clm.	US-PGPUB	AND	ON	2007/09/30 21:00
L47	18	(auxiliary downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:01
L49	3	(compressor bearing downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:02
L48	3	(compressor gas bearing downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:02
L51	2	(cross flow motor cool impeller).clm.	US-PGPUB	AND	ON	2007/09/30 21:04
L50	155	(bearing downhole).clm.	US-PGPUB	AND	ON	2007/09/30 21:04
L52	41	(motor cool impeller).clm.	US-PGPUB	AND	ON	2007/09/30 21:06
L53	23	(impeller cool gas).clm.	US-PGPUB	AND	ON	2007/09/30 21:07